

MIDDLE EAST TECHNICAL UNIVERSITY

DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING

THE LIST OF FINISHED PhD. THESES (since 1971)

NAME	SURNAME	SUPERVISOR	THESIS	DATE
ETİ	UYGUR	OĞURTANI TARIK	DISLOCATION INTERSTITIAL INTERACTIONS IN NIOBIUM	8/25/1971
AHMET	GEVECİ	ROSENQUIST TERKEL	EQUILIBRIUM RELATIONS BETWEEN LIQUID IRON-COPPER MATTE, LIQUID METAL AND SLAG	1/12/1973
HÜRMAN R.	ERİÇ	TİMUÇİN MUHARREM	PHASE RELATIONS AND THERMODYNAMICS IN LEAD CONTAINING SULFIDE SYSTEMS	12/4/1979
ALİ ŞAKİR	BOR	ATASOY ERTUĞRUL	HIGH TEMPERATURE CREEP BEHAVIOR OF NITRIDED Fe-V Fe-Ti ALLOYS	12/4/1981
A. MACİT	ÖZENBAŞ	ATASOY ERTUĞRUL	NUCLEATION AND GROWTH STUDIES ON SELENIUM THIN FILMS	6/22/1981
RAFET	ARIKAN	DORUK MUSTAFA	THE EFFECT OF LOADING RATE, TEMPERATURE AND CRACK LENGTH ON FRACTURE INITIATION TOUGHNESS IN A LOW STRENGTH STEEL	6/25/1982
BİROL	SONUPARLAK	TİMUÇİN MUHARREM	EXAMINATION OF KAOLINITE-MULLITE REACTION SERIES	4/7/1983
MEHMET HİLMİ	GÜLER	ANKARA ALPAY	EXPERIMENTAL INVESTIGATION OF THE BEHAVIOR OF FILAMENT-WOUND GLASS FIBER REINFORCED PLASTIC TUBES UNDER AXIAL COMPRESSIVE AND HOOP TENSILE STRESSES	10/3/1985
FİLİZ	SARIOĞLU	DORUK MUSTAFA	CORRELATION BETWEEN YIELDING FRACTURE MECHANICS PARAMETERS AND THE CRACK GROWTH RATE OF A LOW STRENGTH STEEL IN AN AMMONIUM CARBONATE SOLUTION	10/3/1985
RIZA	GÜRBÜZ	DORUK MUSTAFA	EFFECT OF ORIENTATION ON SALT WATER FOG ENHANCED FATIGUE CRACK GROWTH BEHAVIOR OF 7050 T73651 ALUMINUM ALLOY	12/29/1987
BİLGEHAN	ÖGEL	TEKİN ERDOĞAN	THE EFFECT OF DOUBLE AUSTENITIZATION ON MICROSTRUCTURE AND FRACTURE TOUGHNESS OF AISI M2 HIGH SPEED STEELS	12/13/1989
TURGUT	AKYÜREK	BİLİR ÖMER GÜNDÜZ	DAMAGE TOLERANCE OF LIFE ESTIMATION OF CRITICAL PARTS OF A FIGHTER AIRCRAFT	1/8/1991
ONUR	ÇOKGÖR	TOPKAYA YAVUZ	SEPARATION OF COPPER AND COBALT FROM HYRITE LEACH SOLUTION BY SOLVENT EXTRACTION	5/30/1991
ERGİN	NOYAN	ATALA HALUK	SHAPE MEMORY ALLOY DESIGN	9/14/1990

FARUK	ELALDI	ANKARA ALPAY	DESIGN FABRICATION AND COMPRESSION TESTING OF STIFFENED COMPOSITE PANELS FOR AIRCRAFT STRUCTURES	7/17/1992
NASSER AHMED	FAYAD	DORUK MUSTAFA	STUDY OF STRESS CORROSION CRACKING SUSCEPTIBILITY OF 7050-T73651 ALUMINUM ALLOY IN 3.5% NaCl	6/23/1993
ABDİ	AYDOĞDU	SEVİNÇ NACİ	PRODUCTION OF BORON NITRIDE	8/27/1993
NURŞEN	KOÇ	TİMUÇİN MUHARREM	ACTIVITY-COMPOSITION RELATIONS IN $MnCr_2O_4-CoCr_2O_4$ SOLID SOLUTIONS AND STABILITIES OF $MnCr_2O_4$ AND $CoCr_2O_4$	9/10/1993
TEVFİK ALP	ALANYALIOĞLU	DORUK MUSTAFA	PITTING CORROSION IN BASE METAL DENTAL CASTING ALLOYS	6/24/1994
MEHMET KADRİ	AYDINOL	BOR A. ŞAKİR	COMPUTER SIMULATION OF TEM IMAGES: COMPOSITE PRECIPITATES IN Al-Li-Zr ALLOYS	9/28/1994
HALİT	KALEBOZAN	SELÇUK EKREM	MEASUREMENT OF SURFACE TENSION AND INVESTIGATION OF INTERFACIAL PROPERTIES OF LIQUID Cu, Al, AND Al-Si, BRONZE ALLOYS ON VARIOUS REFRACTORY OXIDES	9/30/1994
CEVDET	KAYNAK	ANKARA ALPAY	BEHAVIOR OF SHORT CRACK IN A STEEL WITH ELONGATED INCLUSIONS	10/21/1994
CEMİL HAKAN	GÜR	TAYFUR ÖZTÜRK	FINITE ELEMENT MODELING AND MEASUREMENT OF STRESS EVOLUTION IN QUENCHING PROCESSES	8/10/1995
SAMI MOH'D KHAIR AHM	MASADEH	DORUK MUSTAFA	CATHODIC HYDROGEN EMBRITTLEMENT OF PRE-STRESSING STEEL WIRES IN SIMULATED CONCRETE ENVIRONMENT	1/12/1996
NURŞEN	GÜRESİN	GEVECİ AHMET	OXIDATIVE PRESSURE LEACHING OF ÇAYELİ ZINC SULPHIDE CONSTANT RATE	1/26/1996
RAUF	GÜNGÖR	OĞURTANI TARIK	MATHEMATICAL MODELLING AND COMPUTER SIMULATION OF INTERNAL FRICTION SPECTRUM ASSOCIATED WITH INTERACTION BETWEEN DISLOCATIONS AND FOREIGN INTERSTITIAL ATOMS	1/26/1996
İBRAHİM	ÇAM	TİMUÇİN MUHARREM	PHASE EQUILIBRIA AND THERMODYNAMIC STUDIES IN THE SYSTEM IRON-NICKEL-OXYGEN AT 1300°C	1/26/1996
KAZIM	TUR	ANKARA ALPAY	STRENGTH AND STRESS CORROSION RESISTANCE OPTIMIZATION OF THICK PLATE Al-7075 ALLOY	4/19/1996
FEYYAZ ÖNDER	ORHANER	TEKİN ERDOĞAN	CREEP BEHAVIOR DETERMINATION AND REMAINING LIFE ESTIMATION FOR CENTRIFUGALLY CAST TUBES MADE OF Nb-STABILIZED 25/35 Cr Ni IRON-BASED SUPERALLOY	10/31/1996
MURAT CAN	OCAKTAN	TOPKAYA YAVUZ	RECOVERY OF LEAD AND CADMIUM FROM ÇİNKUR WELZ OXIDE BY USING CHLORIDIZING VOLATILIZATION METHOD	11/8/1996
HACER	AYGÜN	SELÇUK EKREM	INVESTIGATION OF MOTTILING IN RADIOGRAPHY OF DIRECTIONALLY SOLIDIFIED Ni-BASED ALLOY GAS TURBINE BLADES	12/20/1996
HÜSNİYE	YAROĞLU	ÖZENBAŞ MACİT	FORMATION OF INTERMETALLIC PHASES AT THE METAL-SILICON INTERFACES	1/16/2001
BESİM GÖKÇE	DARA	ANKARA ALPAY	THERMAL LOADING EFFECTS ON CFRP COMPOSITES	1/18/2001

ERSİN EMRE	ÖREN	OĞURTANI TARIK	COMPUTER SIMULATION OF ELECTROMIGRATION INDUCED VOID-GRAIN BOUNDARY INTERACTIONS AND THE PREDICTION OF CATHODE FAILURE TIMES IN BAMBOO STRUCTURES	1/24/2003
MEHMET KAAAN	PEHLİVANOĞLU	AKDENİZ M. VEDAT	PRODUCTION AND DEVELOPMENT OF BULK METALLIC GLASSES	6/12/2003
MEHMET	KUL	TOPKAYA YAVUZ A.	RECOVERY OF RARE EARTH METAL FROM BEYLİKAHİR - ORE	6/19/2003
ALPER TUNGA	DAVUTOĞLU	AYDINOL M. KADRİ	MOLECULER DYNAMICS STUDIES OF DIFFUSION BEHAVIOR IN ALUMINUM-COPPER METALS AND ALLOYS	9/5/2003
ELİF	TARHAN	BOR A. ŞAKİR	AGING CHARACTERISTICS OF COPPER BASED SHAPE MEMORY ALLOYS	1/22/2004
MEHMET	ŞİMŞİR	ÖZTÜRK TAYFUR	INVESTIGATION OF FRACTURE BEHAVIOUR STEEL/STEEL LAMINATES	3/12/2004
CANER	BATIGÜN	ANKARA ALPAY	DETERMINATION OF WELDING PARAMETER DEPENDENT HOT CRACKING SUSCEPTIBILITY OF 5086-H32 ALUMINIUM ALLOY WITH THE USE OF MVT METHOD	1/14/2005
MUSTAFA	ÜBEYLİ	ÖGEL BİLGEHAN	A COMPARISON OF BALLISTIC BEHAVIOR OF STEEL AND LAMINATED COMPOSITE ARMORS	4/13/2005
YUSUF ZİYA	KARABAY	BOR A. ŞAKİR	PRODUCTION CHARACTERIZATION AND APLICATION OF (TiNi) SHAPE MEMORY ALLOYS	7/24/2006
GÖKHAN	DEMİRCİ	KARAKAYA İŞHAK	ELECTROLYTIC MAGNESIUM PRODUCTION USING COAXIAL ELECTRODES	8/1/2006
HASAN ERDEM	ÇAMURLU	SEVİNÇ NACİ	CARBOTHERMIC PRODUCTION OF HEXAGONAL BORON NITRIDE	11/1/2006
OMAR	EL-MABROUK	KALKANLI A.	AN INVESTIGATION OF COMPACTED GRAPHITE IRON PRODUCTION BY MEANS OF THERMAL ANALYSIS TECHNIQUE AND OTHER PROCESS CONTROL WINDOWS	1/10/2007
MUSTAFA SERDAR	KARAKAŞ	ÖGEL BİLGEHAN	EFFECT OF AGING ON THE MECHANICAL PROPERTIES OF B4C PARTICLE REINFORCED AL - 4% Cu METAL MATRIX COMPOSITES	9/7/2007
ZİYA	ESEN	BOR A. ŞAKİR	PRODUCTION AND CHARACTERIZATION OF POROUS TITANIUM ALLOYS	10/16/2007
ENDER	KESKİNKILIÇ	GEVECİ AHMET	EXAMINATION OF DESULFURIZATION BEHAVIOUR OF LADLE FURNACE SLAGS OF A LOW-SULFUR STEEL	10/17/2007
JONG EE	PARK	ÖZTÜRK ABDULLAH	DEVELOPMENT OF A GLASS-CERAMIC FOR BIOLOGICAL APPLICATIONS	2/5/2008
CANER	ŞİMŞİR	GÜR C. HAKAN	3D FINITE ELEMENT SIMULATION OF STEEL QUENCHING IN ORDER TO DETERMINE THE MICROSTRUCTURE AND RESIDUAL STRESSES	2/21/2008
ARDA	ÇETİN	KALKANLI ALİ	ASSESSMENT AND MODELLING OF PARTICLE CLUSTERING IN CAST ALUMINUM MATRIX COMPOSITES	4/14/2008

SÜHA	TİRKEŞ	ANKARA ALPAY	HOT CRACKING SUSCEPTIBILITY OF TWINROLL CAST Al-Mg ALLOYS	10/9/2009
ÖNCÜ	AKYILDIZ	OĞURTANI TARIK	COMPUTER SIMULATION OF GRAIN BOUNDARY GROOVING BY ANISOTROPIC SURFACE DRIFT DIFFUSION DUE TO CAPILLARY, ELECTROMIGRATION AND ELASTOSTATIC FORCES	5/31/2010
TARIK	AYDOĞMUŞ	BOR A. ŞAKİR	PROCESSING AND CHARACTERIZATION OF POROUS TITANIUM NICKEL SHAPE MEMORY ALLOYS	7/30/2010
ÖZGE	ACARBAŞ BALTACI	ÖZENBAŞ A. MACİT	PRODUCTION AND CHARACTERIZATION OF MAGHEMITE NANOPARTICLES	9/14/2010
HASAN	AKYILDIZ	ÖZTÜRK TAYFUR	HYDROGEN STORAGE IN MAGNESIUM BASED THIN FILMS	10/15/2010
VOLKAN	KALEM	TİMUÇİN MUHARREM	DEVELOPMENT OF PIEZOELECTRIC CERAMICS FOR ULTRASONIC MOTOR APPLICATIONS	1/12/2011
SERDAR	TAN	ÖZTÜRK TAYFUR	DIRECT SYNTHESIS OF HYDROGEN STORAGE ALLOYS FROM THEIR OXIDES	2/18/2011
GÜLHAN	ÇAKMAK	ÖZTÜRK TAYFUR	THE PROCESSING OF Mg-Ti POWDER FOR HYDROGEN STORAGE	2/24/2011
AYTAÇ	ÇELİK	OĞURTANI TARIK	INVESTIGATION OF ELECTROMIGRATION AND STRESS INDUCED SURFACE DYNAMICS ON THE INTERCONNECT BY COMPUTER SIMULATION	3/14/2011
PINAR	KARPUZ	GÜR C. HAKAN	INVESTIGATION OF THE EFFECTS OF EQUAL CHANNEL ANGULAR EXTRUSION ON LIGHT WEIGHT ALLOYS	1/27/2012
NAGEHAN	DUMAN	MEHRABOV AMDULLA	MAGNETIC MONITORING APPROACH TO KINETICS OF PHASE TRANSFORMATIONS IN MULTICOMPONENT ALLOY SYSTEMS	2/9/2012
NİHAT ALİ	İŞITMAN	KAYNAK CEVDET	FLAME RETARDANCY OF POLYMER NANOCOMPOSITES	3/2/2012
EVREN	TAN	ÖGEL BİLGEHAN	SEVERE PLASTIC DEFORMATION OF AGE HARDENABLE ALUMINUM ALLOYS	9/14/2012
GÜL	ÇEVİK	GÜRBÜZ RIZA	EVALUATION OF EFFECT OF FILLET ROLLING PROCESS ON THE FATIGUE PERFORMANCE OF A DIESEL ENGINE CRANKSHAFT	9/17/2012
GÜL İPEK	NAKAŞ	BOR A. ŞAKİR	THE PROCESSING OF POROUS Ni-RICH TiNi ALLOYS VIA POWDER METALLURGY AND THEIR CHARACTERIZATION	9/28/2012
AYDIN	RÜŞEN	GEVECİ AHMET	USAGE OF BORON COMPOUNDS IN COPPER PRODUCTION	2/1/2013
METEHAN	ERDOĞAN	KARAKAYA İSHAK	RECOVERY OF TUNGSTEN FROM TUNGSTEN BEARING COMPUNDS	2/1/2013
KORAY	YURTIŞIK	GÜRBÜZ RIZA	KINETICS AND MICROSTRUCTURAL ANALYSIS OF FATIGUE FRACTURE PROGRESS IN WELD JOINTS OF DUPLEX STAINLESS STEEL GRADE 2205	6/27/2013
EBRU	SARALOĞLU GÜLER	KARAKAYA İSHAK	ELECTROCODEPOSITION OF MOLYBDENUM DISULFIDE PARTICLES IN NICKEL MATRIX	7/12/2013

NECMETTİN KAAN	ÇALIŞKAN	BOR A. ŞAKİR	PROCESSING AND CHARACTERIZATION OF HIGH DENSITY TUNGSTEN-NICKEL-IRON ALLOYS	7/30/2013
ATIL	BÜYÜKBURÇ	AYDINOL M. KADRİ	DEVELOPMENT AND CHARACTERIZATION OF HIGH ENERGY CATHODE MATERIALS FOR LITHIUM-ION BATTERIES	8/2/2013
SELEN NİMET	GÜRBÜZ	DERİCİOĞLU ARCAN	PROCESSING AND CHARACTERIZATION OF BRICK-AND- MORTAR STRUCTURED BULK BIO-INSPIRED COMPOSITES	8/29/2013
ABDELRAHMAN SALEH	SULTAN	KARAKAYA İSHAK	EFFECT OF CHROMIUM ON THE OXIDATION OF STEELS USED IN THE CONSTRUCTION OF PETROLEUM REFINERY HEATERS	9/4/2013
SAEİD	POURNADERI	GEVECİ AHMET	OPTIMIZATION OF FERRONICKEL PRODUCTION FROM SIVRIHISAR NICKEL LATERITE ORE	5/15/2014
HALİL İBRAHİM	YAVUZ	ÖZENBAŞ A. MACİT	DESIGN OF HIGH-EFFICIENCY DYE-SENSITIZED NANOCRYSTALLINE SOLAR CELLS	9/4/2014
GÜHER	KOTAN	GÜR C. HAKAN	INVESTIGATION OF MICROSTRUCTURAL MODIFICATIONS AND RELATED MECHANISMS IN SEVERELY DEFORMED AL- ALLOYS	9/10/2014
MEHMET	YILDIRIM	AKDENİZ M. VEDAT	DESIGN AND DEVELOPMENT OF IRON-ALUMINIUM INTERMETALLIC COMPOUNDS FOR STRUCTURAL APPLICATIONS AT HIGH TEMPERATURES	12/18/2014
ÖZLEM	ALTINTAŞ YILDIRIM	DURUCAN CANER	SYNTHESIS OF ZINC OXIDE NANOPARTICLES BY AQUEOUS METHODS AND EFFECT OF METAL INCORPORATION ON THE STRUCTURAL/FUNCTIONAL PROPERTIES OF NANOPARTICLES	12/23/2014
DERYA	KAPUSUZ	ÖZTÜRK ABDULLAH	DEVELOPMENT AND PHOTOCATALYTIC PROPERTIES OF POTASSIUM TITANATE NANOSTRUCTURE EMBEDDED RESIN COMPOSITES	2/2/2016
NURİYA	GARİPOVA	GÜR C.HAKAN	NUMERICAL INVESTIGATION OF RESIDUAL STRESSES, DISTORTION AND MICROSTRUCTURE EVOLUTION IN MULTI- PASS WELDED STEEL COMPONENTS	9/21/2016
ŞERİF	KAYA	TOPKAYA YAVUZ ALİ	EXTRACTION OF SCANDIUM FROM A LATERITIC NICKEL- COBALT ORE BY MEANS OF HYDROMETALLURGICAL TECHNIQUES	9/28/2016
NURSEV	BİLGİN	ÖZTÜRK ABDULLAH	HYDROTHERMAL SYNTHESIS OF TiO <sub>2</sub> NANOSTRUCTURES FOR PHOTOCATALYTIC AND PHOTOVOLTAIC APPLICATIONS	2/1/2017